

**WECO**

# A-KOOL 7X

**MODEL  
YEAR  
2026**

80 ~ 113kWh

AIR-COOLED ENERGY STORAGE SYSTEM



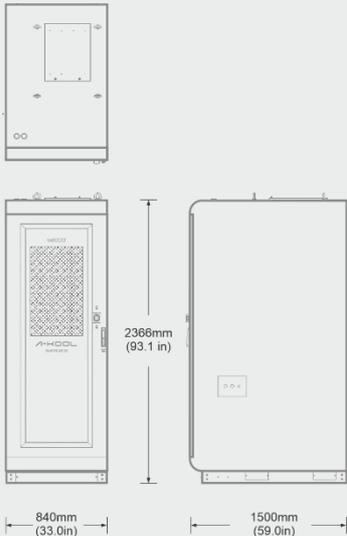
Efficient.  
Reliable.  
Kool.

The A-KOOL 7X BESS cabinet for more compact commercial applications

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### Specifications

		80 to 113kWh
BATTERY	Battery type	16K0 Lithium Iron Phosphate
	Cell specifications	314 Ah @ 3.2 V
	Topology	16S
	Battery capacity	16.076 kWh
	Maximum DOD	95%
SYSTEM	Maximum Cabinet Capacity	112.53 kWh
	Maximum slots per cabinet (standard)	7 + 1 HV BOX
	Capacity 1	<b>80.38kWh</b>
	Capacity 1 – Voltage Range	232V ~ 284 VDC
	Capacity 2	<b>96.45kWh</b>
	Capacity 2 – Voltage Range	278~ 340 VDC
	Capacity 3	<b>112.53kWh</b>
	Capacity 3 – Voltage Range	324~ 397Vdc
	Charging Current Discharge (Standard/Peak)	157A/180A@10S
	Recommended discharge/charge current	0.5C
	System short-circuit current	8300 A
	Battery short-circuit system	8875 A
	HV BOX protection fuses	1000 V - 400 A on both poles
	HV BOX hand switch	1500 V - 200 A
Current rating of HV BOX BMS controlled contactor	400 A	
CYCLES	Number of cycles @ 0.5C	≥ 8000 (90% DOD, 70% SOH)
COMMUNICATION	Battery-to-inverter communication	CAN
	AUX-MODBUS data communications	RS485
	APP connectivity	WeCo NooR App
	Cloud Platform	YES (via WI-FI Dongle)
	SOC Alerts	Integrated
BMS PROTECTORS	Cell overvoltage and undervoltage protection	Integrated
	Overload protection	Integrated
	High/Low Temperature Alarm	Integrated
PROTECTIONS PASSIVE	External stop button (contactor disconnect pulse)	Integrated
	Smoke Sensor	Integrated
	Overpressure relief valve	Integrated
	Fire extinguishing system	Integrated
	DC fuse protection (package level and HV box)	Integrated
STORAGE REQUIREMENTS	Storage Max. Humidity	RH ≤ 95% (non-condensing)
	Storage Temperature	Less than 3 months: 0 ~ 45 °C (SOC: 20% ~ 50%)
	Validity period without inspection	> 3 months: 15 ~ 35 °C (SOC: 20% ~ 50%)
	Storage height	≤ 3000 m
	Dimensions (W x D x H) (mm)	840 x 1500 x 2366
	Weight	1400 kg
	Cabinet Working Temperature Range	-20 °C < Ta < +50 °C (Derating due to defrost cycles to consider)
BASIC PARAMETERS	Recommended temperature range	-10 °C < Ta < +45 °C (Derating and defrost cycles to be considered during operations could cause power reductions)
	IP rating	IP55
	Cooling method	Heat pump and air conditioning
	A/C consumption @ Max. Cooling capacity	2000 W
	A/C consumption @ Max. Heating power	1000 W
	HV BOX Self-consumption	15 W
	Consumption with all fans at full capacity	< 105 W
	Energy-saving programming mode	Programming via EMS for full energy savings
	Coating	Standard exterior painting (Not for marine applications)
	Shipping Method	Assembled



Dry Pipe inlet for Sprinkler connection

The temperatures mentioned above are limited to BMS ranges, these values may not be covered by the performance warranty. We recommend that you contact WeCo for the most up-to-date datasheet, read the warranty and manual before making any purchase decisions. No part of this document may be copied or reproduced without the written permission of WeCo. All data is subject to change without notice.

# WECO

## 7X 80 ~ 113 kWh

Powering a greener, smarter future

Plug & Play  
Integration



Seamless integration with  
WeCo TK 25-50 Series inverters

Combinable  
Inverter



Can be combined with Hybrid inverter  
Powers between 25 and 50kW

Intelligent  
Monitoring



APP NooR  
Make your life easier



Cabinet A-KOOL 7X

**Power  
Compact  
Commercial**

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# A-KOOL TX

ENERGY STORAGE SYSTEM

## BESS CABINET

The new generation has arrived and is WeCo.

Battery cabinets with integrated HVAC systems offer efficient temperature management, ensuring greater performance, component durability, higher power density, adaptability to various climates, and reduced maintenance, guaranteeing reliable, quiet, and energy-efficient performance.

The most compact BESS cabinet for commercial applications.



**WECO**

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